

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Cancelled).
2. (Currently Amended) The method of claim 1 ~~6~~, further comprising placing a control channel in ~~the~~ a time slot to be transmitted at a higher transmission power than normal.
3. (Currently Amended) The method of claim 1 ~~7~~, further comprising placing a packet switched channel in ~~the~~ a time slot to be transmitted at a higher transmission power than normal.
4. (Currently Amended) The method of claim 3, wherein the packet switched channel ~~being~~ is a GPRS packet data traffic channel.
5. (Cancelled).
6. (Currently Amended) ~~The~~ A method of ~~claim 5~~, transmitting time slots in a base station system, the method comprising:
defining certain transmission powers as a normal transmission power;
determining, for each time slot, a transmission power to be used;
alternately transmitting time slots at a transmission power higher than normal, using at least two different transceivers to minimize heat build-up in the transceivers; and
placing a high-speed data channel in a time slot to be transmitted at a higher transmission power than normal,
wherein the high-speed data channel is an EDGE-modulated traffic channel.
7. (Currently Amended) A ~~The~~ method of ~~claim 5~~, transmitting time slots in a base station system, the method comprising:
defining certain transmission powers as a normal transmission power;

determining, for each time slot, a transmission power to be used;
alternately transmitting time slots at a transmission power higher than normal, using
at least two different transceivers to minimize heat build-up in the transceivers; and
placing a high-speed data channel in a time slot to be transmitted at a higher
transmission power than normal,

wherein the high-speed data channel is an EDGE-modulated GPRS packet data traffic channel.

8. (Currently Amended) The method of claim ~~4~~ 6, ~~further comprising wherein transmitting the time slots are alternately transmitted~~ at a higher transmission power than normal ~~alternately~~, using at least two different antennas.

9. (Currently Amended) The method of claim ~~4~~ 6, further comprising transmitting time slots at a normal transmission power using frequency hopping.

10. (Cancelled).

11. (Currently Amended) The base station system of claim ~~10~~ 15, wherein the control part is arranged to place a control channel in ~~the~~ a time slot at a higher transmission power than normal.

12. (Currently Amended) The base station system of claim ~~10~~ 16, wherein the control part is arranged to place a packet switched channel in ~~the~~ a time slot at a higher transmission power than normal.

13. (Previously Presented) The base station system of claim 12, wherein the packet switched channel is a GPRS packet data traffic channel.

14. (Cancelled).

15. (Currently Amended) ~~A~~ The base station system of claim 14, comprising:
at least two transceivers;
a control part configured to control the operation of the transceivers;
a switching field configured to connect time slots to the transceivers;

certain transmission powers being defined as a normal transmission power in the control part;

the control part being arranged to determine for each time slot a transmission power to be used,

wherein the control part is arranged to direct the switching field to alternately transmit time slots at a transmission power higher than normal, using two different transceivers to minimize heat build-up in the transceivers,

wherein the control part is arranged to place a high-speed data channel in a time slot at a higher transmission power than normal, and

wherein the high-speed data channel is an EDGE-modulated traffic channel.

16. (Currently Amended) A The base station system of claim 14, comprising:
at least two transceivers;

a control part configured to control the operation of the transceivers;

a switching field configured to connect time slots to the transceivers;

certain transmission powers being defined as a normal transmission power in the control part;

the control part being arranged to determine for each time slot a transmission power to be used,

wherein the control part is arranged to direct the switching field to alternately transmit time slots at a transmission power higher than normal, using two different transceivers to minimize heat build-up in the transceivers,

wherein the control part is arranged to place a high-speed data channel in a time slot at a higher transmission power than normal, and

wherein the high-speed data channel is an EDGE-modulated GPRS packet data traffic channel.

17. (Currently Amended) The base station system of in claim 10 15, wherein the base station system is arranged to alternately transmit the time slots at a higher transmission power than normal alternately, using at least two different antennas.

18. (Currently Amended) The base station system of claim 10 15, wherein the base station system is arranged to transmit time slots at a normal transmission power using frequency hopping.